



FEE TRANSMITTAL

Patent fees are subject to annual revision.

Complete If Known

Application Number	10/767,281
Filing Date	30 January 2004
First Named Inventor	TAE-SUNG KIM, et al.
Examiner Name	WARREN, MATTHEW E.
Group/Art Unit	2815
Attorney Docket No.	P57002

TOTAL AMOUNT OF PAYMENT

(\$)**180.00**

METHOD OF PAYMENT (check one)

1. ☒ Payment Enclosed:

(CHECK #50570)

☒ Check ☐ Credit Card ☐ Money Order
☐ Other

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ The Commissioner is hereby authorized to charge any deficiency and credit any over payments to:

Deposit Account Number: **02-4943**

FEE CALCULATION

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
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EXTENSION OF TIME FEES

1251	120	2251	60	Extension for reply within first month	\$
1252	450	2252	225	Extension for reply within second month	\$
1253	1020	2253	510	Extension for reply within third month	\$
1254	1590	2254	795	Extension for reply within fourth month	\$
1255	2160	2255	1080	Extension for reply within fifth month	\$

APPEAL

1401	500	2401	250	Notice of Appeal	\$
1402	500	2402	250	Filing a brief in support of an appeal	\$
1403	1000	2403	500	Request for oral hearing	\$

CLAIMS

1201	200	2201	100	Independent claims in excess of 3	\$
1202	50	2202	25	claims in excess of 20	\$

Other Fee (specify) _____ \$

Other Fee (specify) _____ \$

Other Fee (specify) _____ \$

SUBTOTAL: LEFT COLUMN

\$ 0.00

FEE CALCULATION

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
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MISCELLANEOUS

1801	\$790	2801	\$395	Request for continued examination (RCE)	\$
1806	\$180			Submission of an IDS	\$180.00
1814	\$130	2814	\$65	Statutory disclaimer	\$
8021	\$40			Recordation of assignment per property	\$

TRADEMARK

6001/7001		\$335	Application for registration, per class	\$
6002/7002		\$100	Amendment to Allege Use, per class	\$
6003/7003		\$100	Statement of Use, per class	\$
6004/7004		\$150	Request for six-month extension of time, per class	\$
6205/7205		\$100	\$8 affidavit, per class	\$
6208/7208		\$200	\$15 affidavit, per class	\$
6201/7201		\$400	Application for renewal, per class	\$
6403/7403		\$100	Ex parte appeal, per class	\$

PETITION

1462		\$400	Petitions to Director (Group I)	\$	
1463		\$200	Petitions to Director (Group I)	\$	
1464		\$130	Petitions to Director (Group II)	\$	
1452	\$500	2452	\$250	Petitions to revive unavoidably abandoned application	\$
1453	\$1500	2453	\$750	Petitions to revive unintentionally abandoned application	\$

PATENT MAINTENANCE

1551	\$900	2551	\$450	Due at 3.5 years	\$
1552	\$2300	2552	\$1150	Due at 7.5 years	\$
1553	\$3800	2553	\$1900	Due at 11.5 years	\$

Other Fee (specify) _____ \$

Other Fee (specify) _____ \$

Other Fee (specify) _____ \$

SUBTOTAL: RIGHT COLUMN

\$ 180.00

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name

Robert E. Bushnell, Esq.

Reg. Number

27,774

Signature

Date

17 March 2006

Deposit Account User ID

REB/ks

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PATENT
P57002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

TAE-SUNG KIM, *et al.*

Serial No.: 10/767,281

Examiner: WARREN, MATTHEW E.

Filed: 30 January 2004

Art Unit: 2815

For: NOVEL CONDUCTIVE ELEMENTS FOR THIN FILM TRANSISTORS USED IN
A FLAT PANEL DISPLAY

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

FOREIGN PATENT REFERENCE:

- Chinese Patent Publication No. 1223015 to Fujikawa, entitled *DISPLAY*, published on 14 July 1999 (with English abstract).

OTHER DOCUMENTS:

- Chinese Office action for Chinese Patent Application No. 200410028732.8, issued on 27 January 2006.

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DISCUSSION

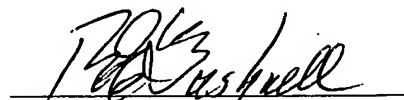
Fujikawa CH'015, according to the Chinese Office action in applicant's Chinese patent application Serial No. 1223015, discloses that a display, such as a liquid crystal display, wherein a first hexagonal titanium nitride film is interposed between a drain region made from a polycrystalline silicon film and a drain electrode made from an aluminum film for preventing the diffusion of silicon with the purpose of connecting electrodes, wiring, etc., at low resistances, while a second hexagonal titanium nitride film which can be formed by sputtering from the same target as that of a titanium film and the first titanium nitride film is interposed between a transparent display electrode made from an ITO film and the drain electrode made from the aluminum film so as to connect the electrodes to each other ohmically. since the second titanium nitride film has a resistance to the etchant used for etching a silicon oxide film and another etchant used for etching the ITO film, the film protects the drain electrode during etching of the silicon oxide film and ITO film.

Pursuant to 37 CFR §1.97(d), the undersigned attorney hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three (3) months prior to the filing of the statement.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

Pursuant to 37 C.F.R. §1.97(c)(2), the fee set forth under 37 C.F.R. §1.17(p) of \$180.00 accompanies this Information Disclosure Statement. Should the check become lost, be deficient in payment, or should other fees be incurred, the Commissioner is authorized to charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of such fees.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "R. E. Bushnell", is written over a horizontal line.

Robert E. Bushnell
Reg. No.: 27,774
Attorney for the Applicant

1522 "K" Street, N.W., Suite 300
Washington, D.C. 20005
Area Code: (202) 408-9040

Folio: P57002
Date: 3/17/06
I.D.: REB/ks

**INFORMATION DISCLOSURE STATEMENT****PTO-1449 (PAGE 1 OF 1)**

SERIAL NUMBER 10/767,281

DOCKET NO. P57002

APPLICANT TAE-SUNG KIM, *et al.*

FILING DATE 30 January 2004

GROUP 2815

U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS**TRANSLATION**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	CH 1223015	07/99	CHINA			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

Chinese Office Action of the Chinese Patent Application No. 200410028732.8, issued on 27 January 2006

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.